

# L I S T A

## lucrărilor științifice și a contractelor de cercetare

### Prof.habil.dr.ing. VALENTINA EMILIA BALAS

**A. Teza de doctorat :** „*Senzori Inteligenți cu Model Intern și Tehnici Fuzzy*”, Universitatea „Politehnica” Timișoara, Conducător Științific Prof. dr. ing. Mircea Ciugudean, în domeniul **Inginerie Electronică și Telecomunicații**, susținută în 13.06.2004 la Universitatea „Politehnica” Timișoara, Diplomă de doctor: Seria C, Nr. 0004886/13019 din 22.09.2003, în baza Ordinului Ministrului Educației și Cercetării nr. 4741/25.08.2003

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#### D. **Lucrări publicate în reviste și volume de conferințe cu referenți (neindexate)**

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2. Ahmad. T. Azar, Valentina E. Bălaș, *Artificial Neural Network for Electromyographic Classification*, ISREIE 2010, International Symposium Research and Education in Innovation Era, 3rd Edition, Arad, Romania, November 11-12, 2010, Proc. 3<sup>rd</sup> ISREIE (Aurel Vlaicu Univ. of Arad Symposium), Series: Engineering, Oct. 10-12, 2010, ISSN 2065-2569, pag. 238-251.

3. Onisifor Olaru, Marius Buzera, Valentina E. Bălaș, Ioan Emeric Koles, *New Algorithms for color Classification with Machine Vision Devices*, ENEC 2010, The 2<sup>nd</sup> International Symposium 2010, Education in Nowadays European Context, Anale, pag. 214-217, 17-18 Aprilie 2010, Tg. Jiu, Gorj, Romania, ISBN 978-606-510-870-7, Editura Universitaria, Craiova.

4. Valentina E. Bălaș, Emeric I. Koles, Corina Mnerie, *Optimizing the Speed Controllers' Tuning*, International Symposium Research and Education in Innovation Era, 4<sup>th</sup> Edition, Arad, November 08-09, pag. 121-126, 2012.

## **E. Brevete obținute în întreaga activitate**

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## **NU**

## **F. Contracte de cercetare**

### **Director granturi/proiecte internationale**

1. **Project no. 015942, Project acronym CEEC IST NET, FP 6, 2005-2006.**  
**Project title** SUPPORT TO ORGANISATIONS FROM THE CENTRAL AND EASTERN EUROPEAN COUNTRIES,  
Thematic Priority: Information Society Technologies  
Deliverable D 4.1.8: NATIONAL MAPPING REPORT for ROMANIA, 20 April 2006, Duration: 24 months  
**Director Stiintific din partea UAV – Valentina E. Balas (pag.87)**  
<https://slideblast.com/project-no-015942-project-acronym-ceed-ist-net-project-title-595ceac01723dd8e40283dc3.html>
2. **Grant Internațional – NSF Awards ENG-1047778 and ENG-1047714– Collaborative Research** - oferit de Georgia Institute of Technology, School of Materials Science and Engineering, Atlanta, Georgia, USA, **WIRES 2011** (Women's International Research Engineering Summit), Pathways to International Collaborations, 30 Martie - 2 Aprilie 2011, *Șef de program - Valentina E. Bălaș, grant castigat prin competitie*  
<http://wires.gatech.edu/main.php>,  
<http://www.wires.gatech.edu/committee.php>,  
<http://wires.gatech.edu/resources/WIRES2-agenda.pdf>
3. Global Initiative for Academic Network (GIAN) programme approved by Union Cabinet in Higher Education aimed at tapping the talent pool of Scientist and Entrepreneur Internationally to encourage their engagement with the institutes of higher Education in India so as to augment the country's existing academic resources, accelerate the pace of quality reform, and elevate India's scientific and technological capacity to global excellence.  
**IIT Kharagpur- the national coordinator for India**  
**Valentina E. Balas – responsible Romanian partner**  
**Funding of GIAN: 12.000 USD,**  
**Proiect câștigat prin competitie in India** - Mai 2016, derulat in septembrie 2016, singurul profesor selectat din Romania.  
<http://www.sici.org/programmes/details/global-initiative-for-academic-network-gian-programme/>  
[http://www.nits.ac.in/gian/Brochure\\_Fuzzy\\_Interpolative\\_Controller\\_and\\_Appln\\_V\\_Balas.pdf](http://www.nits.ac.in/gian/Brochure_Fuzzy_Interpolative_Controller_and_Appln_V_Balas.pdf)
4. Proiectul cu codul PN-III-P3-3.1-PM-RO-CN-2018, pozitia 10 din lista celor 29 de proiecte aprobate:  
<https://www.uefiscdi.ro/https://resource-84873://> - **PN3-P3-554/16.07.2018 - Competiția de cooperare bilaterală România – Republica Populară Chineză**, directori de proiect Oana Geman, Universitatea Stefan Cel Mare din Suceava si Guojun Wang, Guangzhou University, Guangzhou, Guangdong, China, partener Universitatea Aurel Vlaicu din Arad cu director de proiect Valentina E. Balas avand titlul TEHNICI INTELIGENTE PENTRU APLICATII MEDICALE UTILIZAND RETELE DE SENZORI, acronym GUSV, Domeniul Tehnologiei informationale si de comunicatii, valoare 79.488 lei, durata 2 ani.
5. **Un numar de 40 Travel granturi a cate 3000 EURO** fiecare pentru sustinerea de conferinte invitate si demararea de cercetari comune in India, Japonia, Taiwan, China, Singapore, USA, Ungaria, Azerbaijan, Pakistan, Iran, Rwanda.

### **Director granturi/proiecte naționale**

**Peste 25 de proiecte realizate la CCSIT Vagoane Arad in calitate de director de proiect pentru partea electrică/electronică, proiecte obtinute prin competitie in cadrul grupului de intreprinderi producatoare de material rulant din Romania.**

6. *Masă de poziționare și rotire 1000 Kg pt. programul nuclear (director de proiect - partea electrică V. E. Balas).* Cod: 291-84 MPR. Beneficiar: ISIM Timișoara. Executant: C.C.S.I.T.V.A. Valoare: 100.000 ROL.
7. *Masă de poziționare și rotire 4000 Kg, pentru programul nuclear (director de proiect - partea electrică V. E. Balas).* Cod: 292-84MPR. Beneficiar: ISIM Timișoara. Executant: C.C.S.I.T.V.A. Valoare: 150.000 ROL.
8. *Instalație pentru debitarea tablei din rulou (director de proiect - partea electrică V. E. Balas).* Cod: 2-85 ISP. Beneficiar: I.V.Caracal. Executant: C.C.S.I.T.V.A. Valoare: 140.000 ROL.
9. *Boghiu metrou generația a II-a (director de proiect - partea electrică V. E. Balas)* Cod: 5-85-BMG II. Beneficiar: I.V.ARAD. Executant: C.C.S.I.T.V.A. Valoare: 200.000 ROL.
10. *Mașina de roluit corpul cilindrului de frână (director de proiect - partea electrică V. E. Balas).* Cod: 6-85MUS. Beneficiar: I.V.Arăd. Executant: C.C.S.I.T.V.A. Valoare: 1.000.000 ROL.
11. *Mașina de roluit capace cilindru de frână (director de proiect - partea electrică V. E. Balas).* Cod: 16-85MUS. Beneficiar: I.V.Arăd. Executant: C.C.S.I.T.V.A. Valoare: 700.000 ROL.
12. *Agregat de găurit multiax taler tampon (director de proiect - partea electrică V. E. Balas).* Cod: 47-85AG. Beneficiar: I.V.Drobeta Tr.Severin. Executant: C.C.S.I.T.V.A. Valoare: 300.000 ROL.
13. *Agregat de găurit placa de bază tampon PKP-Polonia (director de proiect - partea electrică V. E. Balas).* Cod: 52-85AG. Beneficiar: I.V.Drobeta Tr.Severin. Executant: C.C.S.I.T.V.A. Valoare: 250.000 ROL.
14. *Agregat de găurit levier (director de proiect - partea electrică V. E. Balas).* Cod: 6-86AG. Beneficiar: I.V.Caracal. Executant: C.C.S.I.T.V.A. Valoare: 250.000 ROL.
15. *Mașina de bordurat și rețaiat cilindrul de frână (director de proiect - partea electrică V. E. Balas).* Cod: 16-86MBR. Beneficiar: I.V.Arăd. Executant: C.C.S.I.T.V.A. Valoare: 400.000 ROL.
16. *Stand derulat cabluri (director de proiect - partea electrică V. E. Balas).* Cod: 25-86ST. Beneficiar: I.V.Arăd. Executant: C.C.S.I.T.V.A. Valoare: 270.000 ROL.
17. *Cercetări privind realizarea unei instalații complexe pentru efectuarea încercărilor dinamice tip AAR (SUA), (director de proiect - partea electrică V. E. Balas).* Cod: 51-87STC. Beneficiar: C.C.S.I.T.V.A. Executant: C.C.S.I.T.V.A. Valoare: 1.200.000 ROL.
18. *Stand complex pentru încercat cuple metrou (director de proiect - partea electrică V. E. Balas).* Cod: 6-88STC. Beneficiar: I.V.Arăd. Executant: C.C.S.I.T.V.A. Valoare: 300.000 ROL.
19. *Vagon dinamometric (director de proiect - instalația TV prin cablu, interfon, sonorizare V. E. Balas).* Cod: 207. 1988, Beneficiar: I.V.Arăd. Executant: C.C.S.I.T.V.A. Valoare: 2.500.000 ROL.
20. *Tehnologie de sudare a stâlpilor de la vagoanele tip Gondolă cu comandă program în mediu protector tip CO<sub>2</sub> (director de proiect - partea electrică V. E. Balas).* Cod: 24-89 ISR. Beneficiar: I.V.Arăd. Executant: C.C.S.I.T.V.A. Valoare: 1.000.000 ROL.
21. *Troliu pentru deplasat longitudinal la nituire (director de proiect - partea electrică V. E. Balas).* Cod: 4-90 D. Beneficiar: I.V.Arăd. Executant: C.C.S.I.T.V.A. Valoare: 150.000 ROL.
22. *Instalație pentru vopsit vagoane în câmp electrostatic (director de proiect - partea electrică V. E. Balas).* Cod: 6-91 ISR. Beneficiar: M.E.V.A. Dr. Tr.- Severin. Executant: C.C.S.I.T.V.A. Valoare: 700.000 ROL.
23. *Vagon transport agabaritic pe 24 osii (director de proiect - partea electrică V. E. Balas).* Cod: 653.36-36., 1991, Beneficiar: Electroputere Craiova. Executant: C.C.S.I.T.V.A. Valoare: 1.500.000 ROL.
24. *Vagon comandă personal (director de proiect - instalații electrice speciale V. E. Balas).* Cod: AAP., 1992, Beneficiar: Ministerul Apărării Naționale. Executant: C.C.S.I.T.V.A. Valoare: 200.000 ROL.
25. *Vagon clinic și radiologic (director de proiect - instalații electrice speciale V. E. Balas).* Cod: AAT., 1992, Beneficiar: M. Ap. N. Executant: C.C.S.I.T.V.A. Valoare: 220.000 ROL.
26. *Vagon farmacie (director de proiect - instalații electrice speciale V. E. Balas).* Cod: AAV., 1992, Beneficiar: M. Ap. N. Executant: C.C.S.I.T.V.A. Valoare: 200.000 ROL.
27. *Vagon uzină (director de proiect - instalații electrice speciale V. E. Balas).* Cod: AAW., 1992, Beneficiar: M. Ap. N. Executant: C.C.S.I.T.V.A. Valoare: 300.000 ROL.
28. *Vagon sală de operații (director de proiect - instalații electrice speciale V. E. Balas).* Cod: AAR, 1992, Beneficiar: M. Ap. N. Executant: C.C.S.I.T.V.A. Valoare: 175.000 ROL.
29. *Vagon reanimare și transport răniți (director de proiect - instalații electrice speciale V. E. Balas).*, 1993, Cod: AAS. Beneficiar: M. Ap. N. Executant: C.C.S.I.T.V.A. Valoare: 200.000 ROL.
30. *Vagon sală pansamente (director de proiect - instalații electrice speciale V. E. Balas).*, 1993, Cod: AAU. Beneficiar: M. Ap. N. Executant: C.C.S.I.T.V.A. Valoare: 200.000 ROL.
26. **Grant CNCSU Nr. 107, obținut prin competiție- Dispozitive, Circuite si Microsisteme” in cooperare cu Universitatea „Politehnica” București – Prof Mircea Rusu, prin Banca Mondială.** Cod: CNCSU, Nr. 107. Executant: Universitatea Politehnica Timișoara. Bursa - **V. E. Balas** luna noiembrie-decembrie 1999, Senzori inteligenți fuzzy, in cadrul laboratorului LAMII, Annecy, Franța. Valoare: 2000\$.
27. **Grant CNCSU Nr. 107, obținut prin competiție- Dispozitive, Circuite si Microsisteme” in cooperare cu Universitatea „Politehnica” București – Prof. Mircea Rusu, prin Banca Mondială.** Cod: CNCSU, Nr. 107. Executant: Universitatea Politehnica Timișoara. Bursa - **V. E. Balas**, luna ianuarie-februarie 2001, Senzori inteligenți fuzzy, in cadrul laboratorului LAMII, Annecy, Franța, Valoare : 2000\$.

28. **Proiect obținut prin competiție:** *Organizarea Școlii de Vară – „Soft Computing” – ediția a II-a, cu participare internațională – Canada, în limba engleză.* Iulie 2003. Universitatea „Aurel Vlaicu” din Arad. **Director – V. E. Bălaș**, colaborator – Consiliul Județean Arad, Centrul Cultural. Valoare: 2.000 RON.
29. **Proiect obținut prin competiție:** *Organizarea Școlii de Vară – „Soft Computing” – ediția a III-a, cu participare internațională – Canada, în limba engleză.* August 2004. Universitatea „Aurel Vlaicu” din Arad. **Director – V. E. Bălaș**, colaborator – Consiliul Județean Arad, Centrul Cultural. Valoare: 2.500 RON.
30. **Proiect obținut prin competiție:** *Organizarea Școlii de Vară – „Soft Computing” – ediția a IV-a, cu participare internațională – Canada, în limba engleză.* Iulie 2005, Dispoziția 228/18.05.2005, Universitatea „Aurel Vlaicu” din Arad. **Director – V. E. Bălaș**, colaborator – Consiliul Județean Arad, Centrul Cultural. Valoare: 8.000 RON.
31. **Proiect obținut prin competiție:** *Organizarea Școlii de Vară – „Soft Computing” – ediția a V-a, cu participare internațională – Canada, în limba engleză.* Iulie 2006. Universitatea „Aurel Vlaicu” din Arad, **Director – V. E. Bălaș**, colaborator – Consiliul Județean Arad, Centrul Cultural. Valoare: 3.000 RON.
32. **Contract de cercetare obținut prin competiție de la SC TAKATA SA:** *Laborator automatizări cu Echipament Mitsubishi PLC*, septembrie 2007, Universitatea „Aurel Vlaicu” din Arad, **Director de contract – Valentina E. Bălaș**, 1600 EURO.
33. Contract de finanțare UEFISCDI - 48/29.11.2016 - Subprogram 1.1 - Resurse Umane - Proiecte de mobilitate pentru cercetători cu experiență din diaspora – cod depunere PN-III-P1-1.1-MCD2016-0108, **Responsabil – Valentina E. Balas**, Cercetător din diaspora – Dan Ralescu, Universitatea Cincinnati, USA, Valoare - 2100 EURO, proiect obținut prin competiție națională.
34. **Proiect obținut prin competiție**, Centrul Municipal de Cultura Arad - CMCA, Contract nr. 4862/10.08.2016, 23.000 lei,  
Director de proiect – **Valentina E. Balas**, Soft Computing and Applications.
35. **Contract de cercetare obținut prin competiție cu SC CONTACT PLUS SRL Arad.** „Cercetări privind dezvoltarea unor noi metode de fuzionare a cunoștințelor și aplicații”, Mai 2005, Nr. 1570/11.05.2005, Universitatea „Aurel Vlaicu” din Arad. **Șef de contract – V. E. Balas**. Valoare: 5.000.000 ROL.
36. **Contract de cercetare obținut prin competiție** Nr. 05/12.12.2007 cu SC Ovidiu Nicola SRL „Cercetări privind realizarea unui senzor pentru ploaie”, Universitatea „Aurel Vlaicu” din Arad, **Responsabil de contract – Valentina E. Balas**, 1.000 RON
37. **Contract de cercetare obținut prin competiție** Nr. 2726/22.05.2008 cu SC Ready SRL „Cercetări privind aplicații ale inteligenței artificiale în tehnică”, Universitatea „Aurel Vlaicu” din Arad, **Responsabil de contract – Valentina E. Balas**, 1.000 Ron
38. **Contract de cercetare obținut prin competiție** Nr. 433/19.02.2010 cu SC Ready SRL „Cercetări privind aplicații în domeniul sistemelor inteligente”, Universitatea „Aurel Vlaicu” din Arad, **Responsabil de contract – Valentina E. Balas**, 500 Ron.
39. **Contract de cercetare obținut prin competiție** Nr. 5095.05.11.2010 cu SC Computer Voice Systems Romania SRL „Cercetări privind Studiul oportunității utilizării tehnologiei GWT pentru aplicațiile web cu flux de date real time”, Universitatea „Aurel Vlaicu” din Arad, **Responsabil de contract – Valentina E. Balas**, 1000 Ron.
40. Competiția Premiul rezultatelor cercetării în Universitatea Aurel Vlaicu Arad, martie 2016, 2100 Euro – **Valentina E. Balas**.
41. **Proiect obținut prin competiție** cu Centrul Municipal de Cultura Arad - CMCA, Programul Tineret, Învățământ și Recreative 2017, poziția 20, 12.200 lei, **Director de proiect – Valentina E. Balas**, Cercetări în domeniul Pancreasului Artificial, cu participarea Prof T.C. Lin, Taichiung University, Taiwan.
42. **Contract de cercetare științifică** obținut prin competiție nr. 9542/22.12.2017, cu SC Contact Plus SRL Arad, „Modelarea, simularea, experimentarea și validarea unor noi metode avansate de soft computing în domeniul controlului clădirilor inteligente”, **Director de proiect – Valentina E. Balas**, Valoare 40.000 lei (10.000 \$).
43. **Cod proiect:** PN-III-P1-1.1-MCD-2019-0133, **Contract nr.:** 23/24.09.2019 – mobilitate cercetători din diaspora – Prof. Stefan Bratosin, Franța **Director de proiect – Valentina E. Balas**
44. **Cod proiect :** PN-III-P1-1.1-MCD-2019-0133, **Contract nr.:** 23/24.09.2019 – mobilitate cercetători din diaspora – Prof. Dumitru Baleanu, Turcia, **Director de proiect – Valentina E. Balas**

#### Membru în colective de granturi/proiecte internaționale

45. Program Internațional, **Proiecte de Cooperare Bilaterală/Multilaterală, Programul: Capacități /Modul III, Cooperare Bilaterală între România și Bulgaria**, Titlu: *"Electronic Health Records for the Next Generation Medical Decision Support in Romanian and Bulgarian National Healthcare Systems"*, Acronim: **NextGenElectroMedSupport**, Instituția conducătoare în țară este Universitatea Petru Maior din Târgu Mureș, universitatea conducătoare din Bulgaria este Universitatea Tehnică din Sofia. Directori de proiect: Bulgaria - Prof. dr. Roumen Kountchev Technical University from Sofia, Bulgaria, Romania - director general - Barna Iantovics, Membri /cercetători în echipă: **Valentina E. Bălaș**, Marius M. Bălaș, **august 2010-august 2012**.
46. Program Internațional, **Planul Național pentru Cercetare Dezvoltare și Inovare 2007-2013-PN II, Capacități /Modul III, Proiecte de Cooperare Bilaterală/Multilaterală**, Cooperare Bilaterală între România și Slovacia Titlu: *"Hybrid Medical Complex Systems"*,

Acronim: ComplexMediSys

CO: Universitatea Petru Maior din Targu Mures

CO: Academia Slovaca de Stiinte, Bratislava

Directori. Ladislav Hluchý (Slovakia) si Barna Iantovics (Romania)

Membri /cercetători în echipă: **Valentina E. Bălaș**, Marius M. Bălaș,

**ianuarie 2011-ianuarie 2013.**

47. National Science Foundation (NSF), Agency Contract Number: 0948297, Project type: Basic Research, Period: 07/20/2009 to 10/15/2010, Principal Investigator: Pamela McCauley-Bush, The objective of this grant is to establish an international collaboration with two female engineering faculty members in Romania to further the research being conducted by the Human Factors and Simulation in Disaster Management Research Team at the University of Central Florida. The UCF HFDM Research is led by Dr. Pamela McCauley Bush and the collaborative partners are Dr. Valentina Balas and Mihaela Albu.  
[https://argis.research.ucf.edu/index.cfm?fuseaction=detail.view\\_proposal\\_detail&rec\\_id=1049585&rec\\_type=research](https://argis.research.ucf.edu/index.cfm?fuseaction=detail.view_proposal_detail&rec_id=1049585&rec_type=research)
48. Membru în proiectul ERASMUS-EDU-2024-POL-EXP-DIGITAL-101195721 — GLITTER, membru cercetator, durata 12 luni, buget EUR 996558

#### **Membru în colective de granturi/proiecte naționale**

49. **Grant CNCSIS** „Cercetări pentru implementarea strategiilor bazate pe logica fuzzy și rețele neuronale destinate detecției și diagnosticării defectelor, cu aplicație la sistemele de conducere a acțiunilor electrice”. Iulie 2004. Executant principal: Universitatea „Politehnica” Timișoara. **membri UAV** – M.M. Balas si **V. E. Bălaș**. Valoare: 800 EURO.
50. **Grant PN – II WE Cod CNCSIS : 47**, Contract de cofinanțare cu Autoritatea Națională pentru Cercetarea Științifică Nr. 316 / 09.04.2008, Workshop Exploratoriu „De la limbaj natural la soft computing: noi paradigme ale inteligenței artificiale”, Responsabil Institutul de Cercetari pentru Inteligența Artificială al Academiei Romane – Acad. Dan Ioan Tufiș, 30.000 Ron, **Colaborator – Valentina E. Bălaș**,
51. **POSDRU/89/1.5/S/56287**, *Programe postdoctorale în avangarda cercetării de excelență în Tehnologiile Societății Informaționale și dezvoltarea de produse și procese inovative*, Proiect cofinanțat din Fondul Social European prin Programul Operațional Sectorial Dezvoltarea Resurselor Umane 2007-2013, Proiect implementat de Institutul Național de Cercetare-Dezvoltare pentru Textile și Pielarie – INCDTP în parteneriat cu Academia de Studii Economice București - Centrul de Cercetări Analize și Politici Regionale, Universitatea din Oradea și ASSOCIATION GROUPE ESSEC, **Membru al grupului țintă – Valentina E. Bălaș**, Activitatea 4 – Formarea și perfecționarea în cadrul programelor pilot de pregătire postdoctorală prin cursuri susținute de ESSEC Bussines School – Franța.
52. Membru în colectivul grantului, **Responsabil WP 3** din Programul Operațional Competitivitate 2014-2020, Axa prioritară 1 – Cercetare, dezvoltare tehnologică și inovare (CDI) în sprijinul competitivității economice și dezvoltării afacerilor, Acțiunea 1.1.4 – Atragerea de personal cu competențe avansate din străinătate pentru consolidarea capacității de CDI. Titlul Proiectului: *Noi nano-arhitecturi de inspirație biologică de tip celular – pentru circuite integrate, Nano-ART-BioCell – P\_37\_744*, **valoare 8.502.600 lei, 2016-2019**  
**Responsabil la pachetul WP 3 – Valentina E. Balas**
53. **Contract de cercetare obținut prin competiție** Nr. 03 din 10.10.2013 cu SC S.C MBB S.R.L “Modelarea și simularea proceselor de tratament termic”, Universitatea „Aurel Vlaicu” din Arad, **Responsabil de contract** – Marius M. Balas, Membru în echipa de cercetare - **Valentina E. Balas**, 1000 Ron
54. **Contract de cercetare științifică obținut prin competiție** nr. 10/16.07.2019, cu număr de intrare la UAV: 4693/16.017.2019, cu SC Contact Plus SRL Arad, „Promovarea agriculturii în mediul urban: modele matematice și soluții concrete”, Membru în colectivul de proiect – **Valentina E. Balas**, Valoare 42.000 lei (10.000 \$).
55. Nume proiect: **Evaluarea, modelarea și simularea unor metode avansate de soft computing în domeniul producerii de curent electric cu ajutorul panourilor fotovoltaice.**  
Director proiect: Flavius-Maxim Petcuț  
Membru în proiect: **Valentina E. Balas**  
Implementat de: UNIVERSITATEA AUREL VLAICU, Nr. Ctr. 5578/03.06.2025,  
Și finanțat de S.C. ANTACO BILLING SYSTEMS S.R.L  
Nr. Ctr. 2172/03.06.2025,  
În valoare de: 55000 lei (aproximativ 11.000 Euro).  
Durata de desfășurare 5 ani: 1 iulie 2025 - 30 iunie 2030

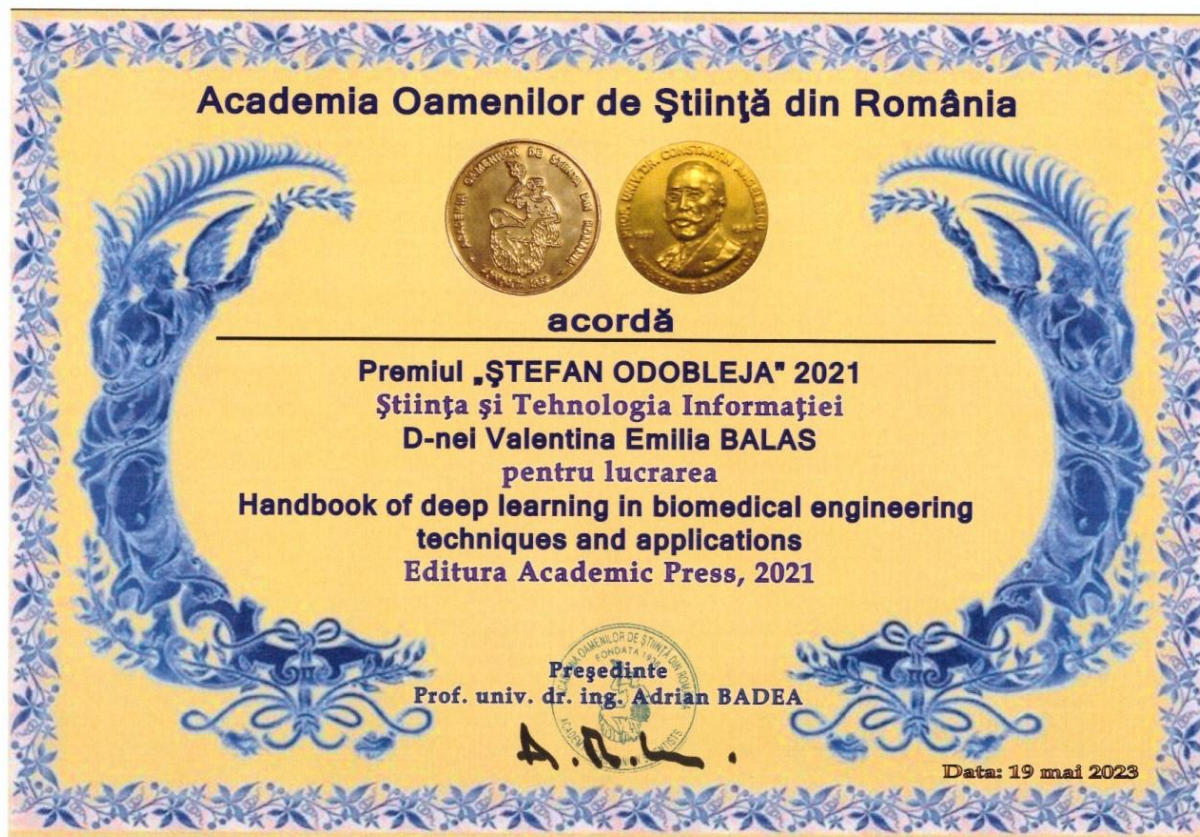


## PREMII

2019 - *Premiul Academiei Romane: Tudor Tanasescu, Valentina Emilia Balas, (in colectiv)*



Academia Oamenilor de Știință din România - Bucuresti - Gala premiilor pentru anul 2021 - **Premiul "ȘTEFAN ODOBLEJA"** și afilierea ca MEMBRU ASOCIAT AOSR, Secția XII -Știința și Tehnologia Informației, în mai 2023



Premiul AGIR 2023 pentru anul 2022



2022 – Premiul “Stefan Odobleja” al Academiei Oamenilor de Știință din Romania



Arad, 30.01.2026

Prof.univ.habil.dr.ing. Valentina E. Balas

Balas V